

FIG. 1

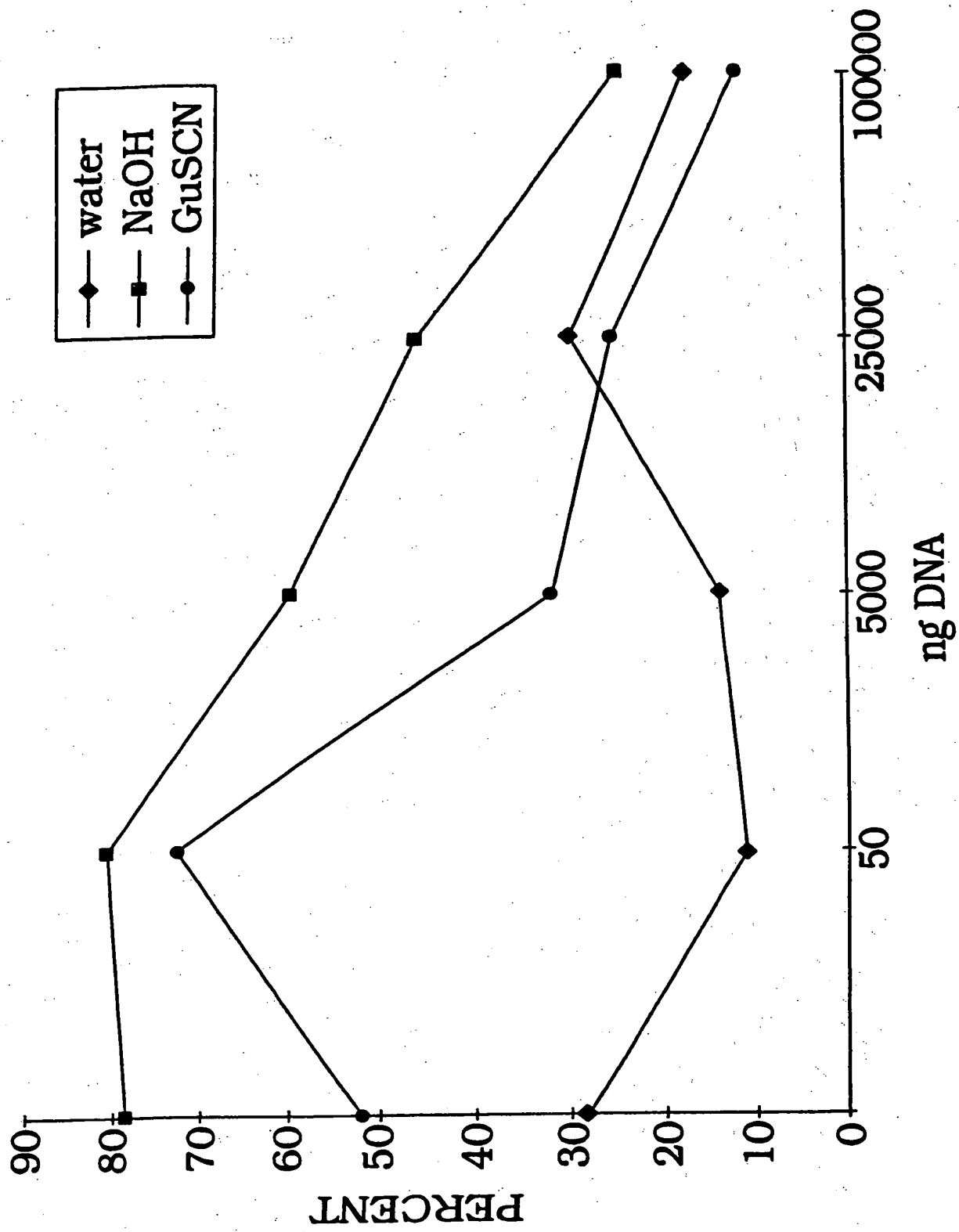


FIG. 2

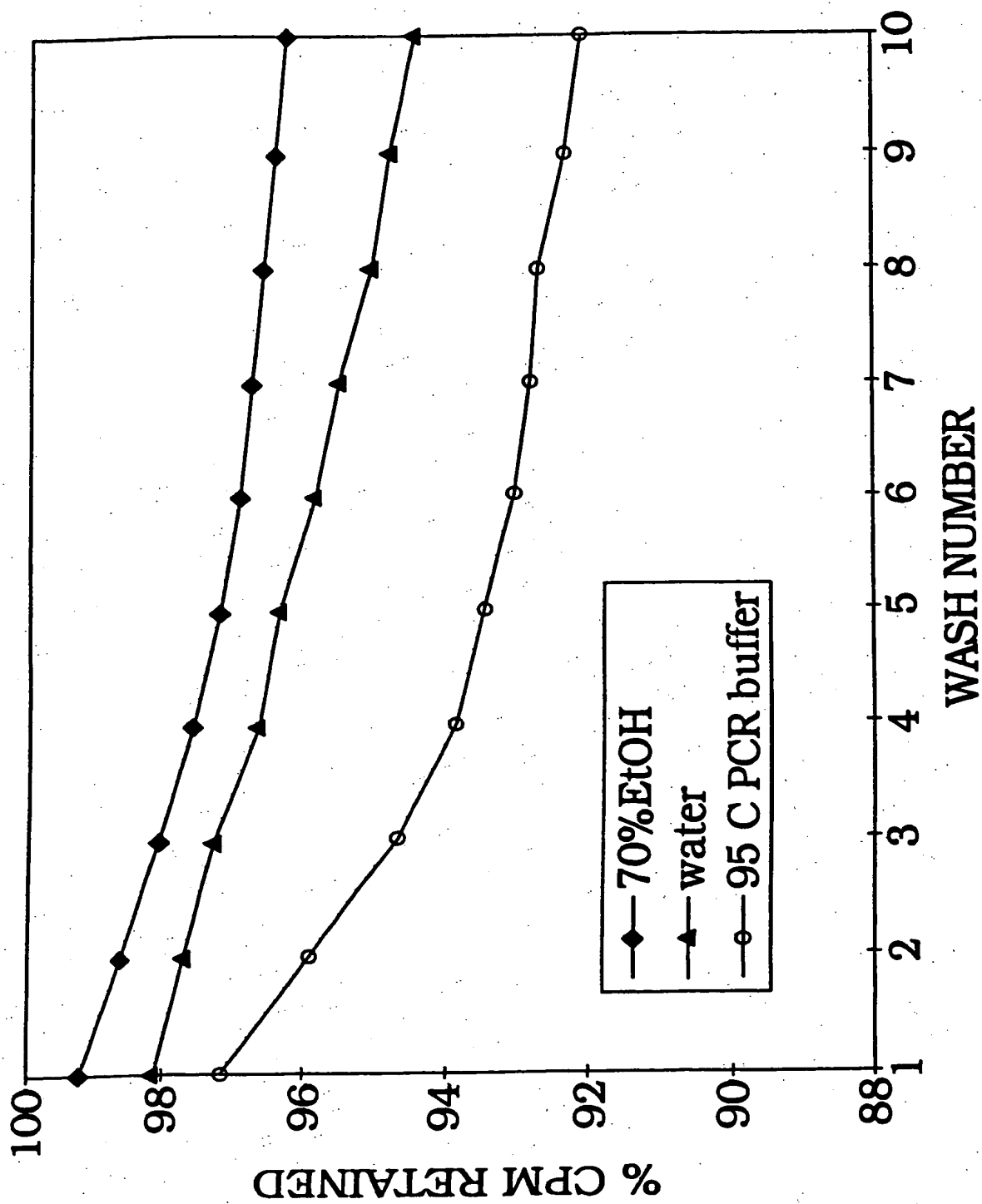


FIG. 3

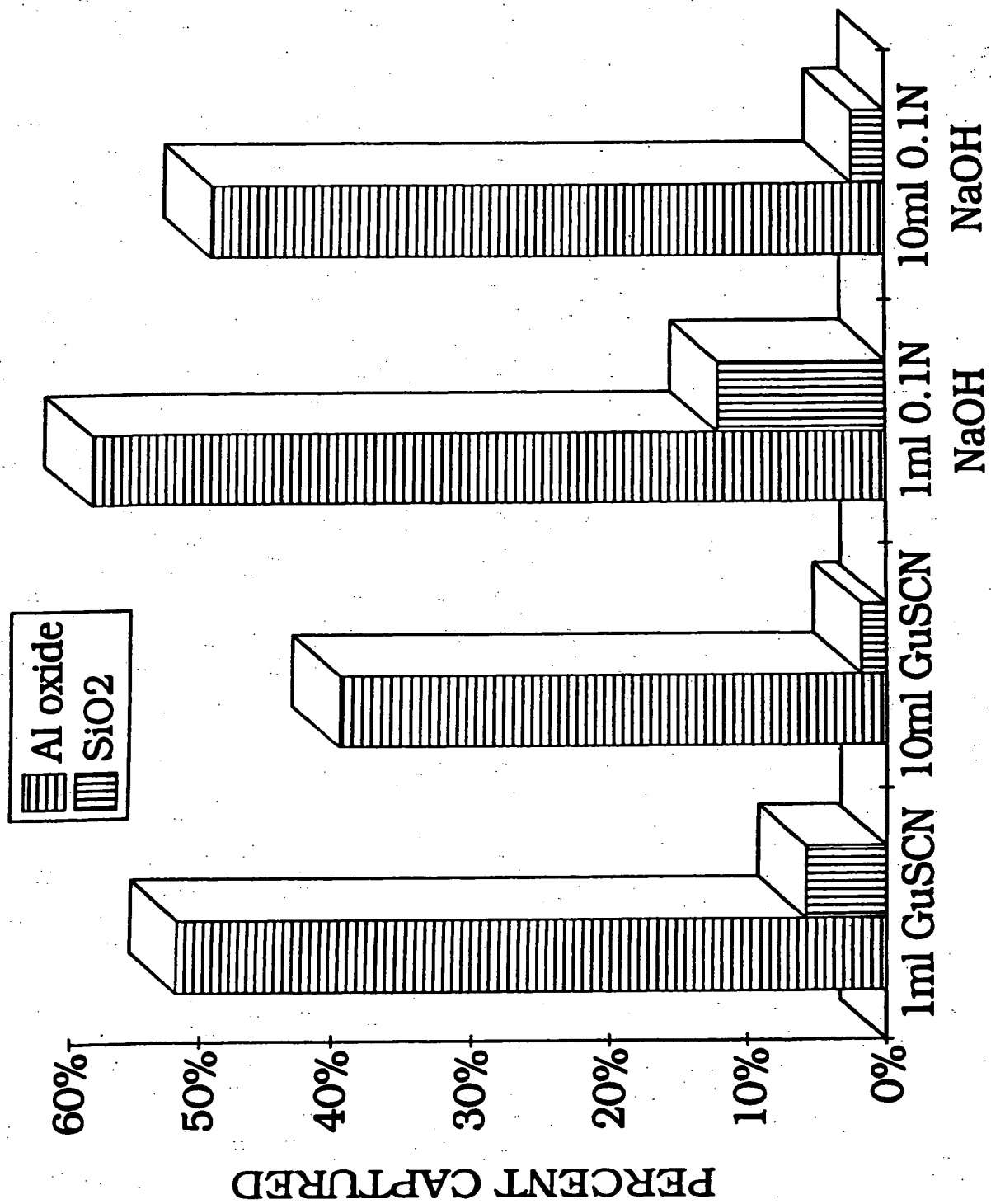


FIG. 4

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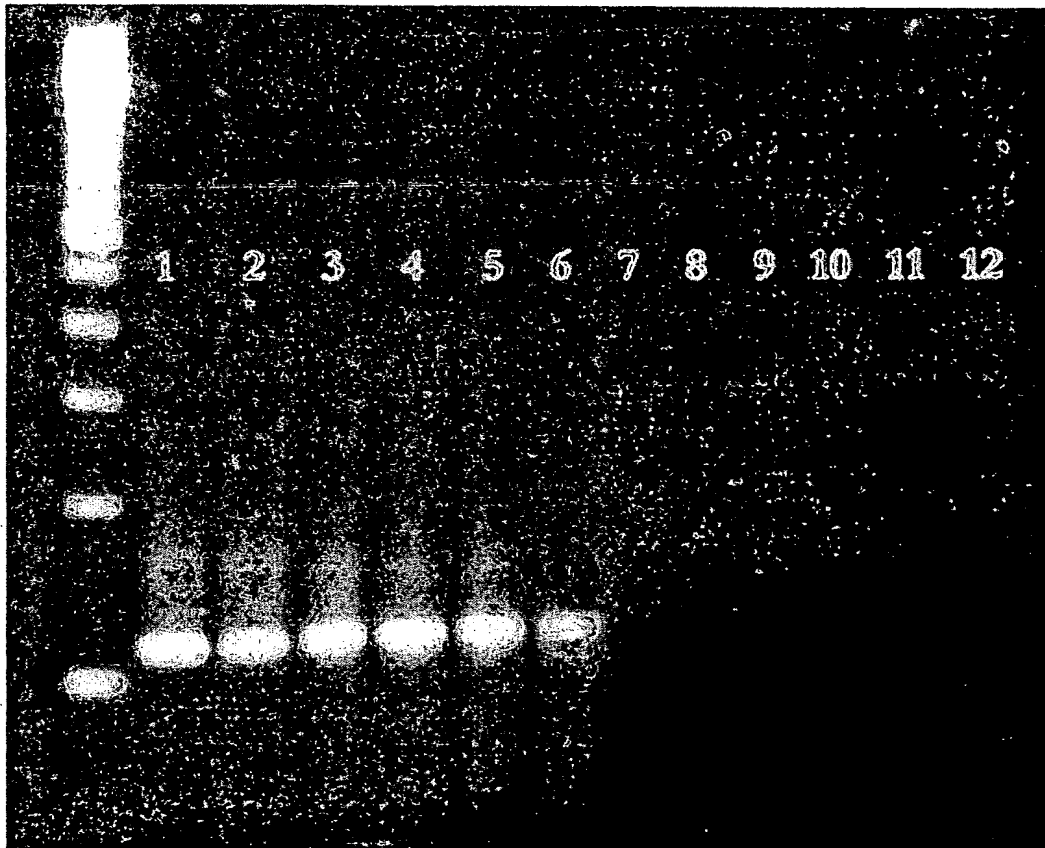


FIG. 5

Panel A

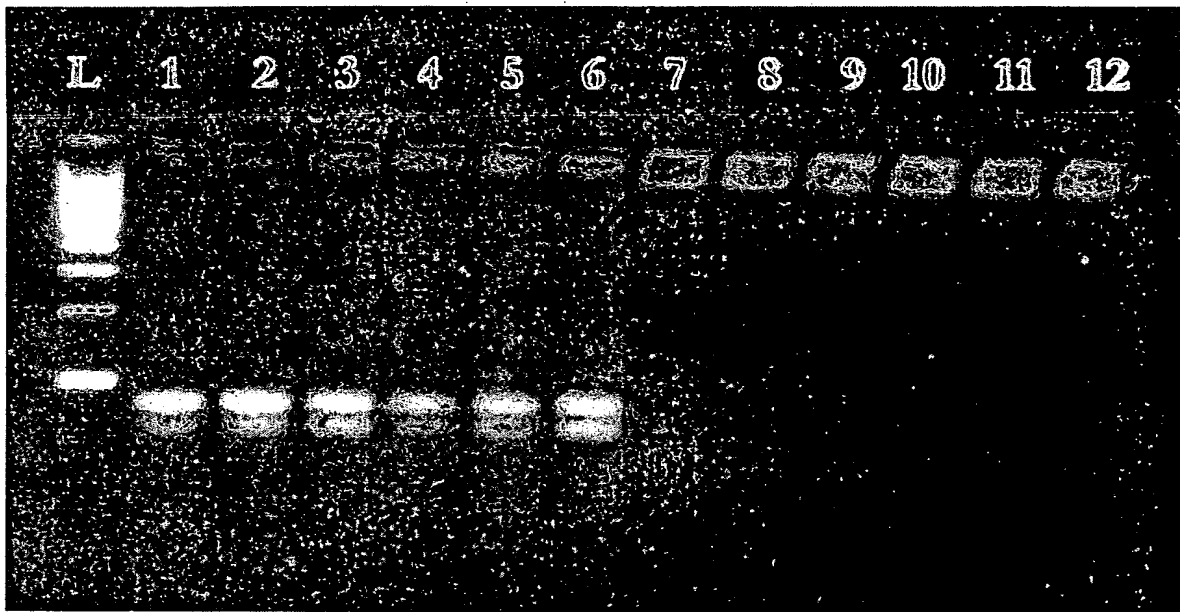


FIG. 5

Panel B

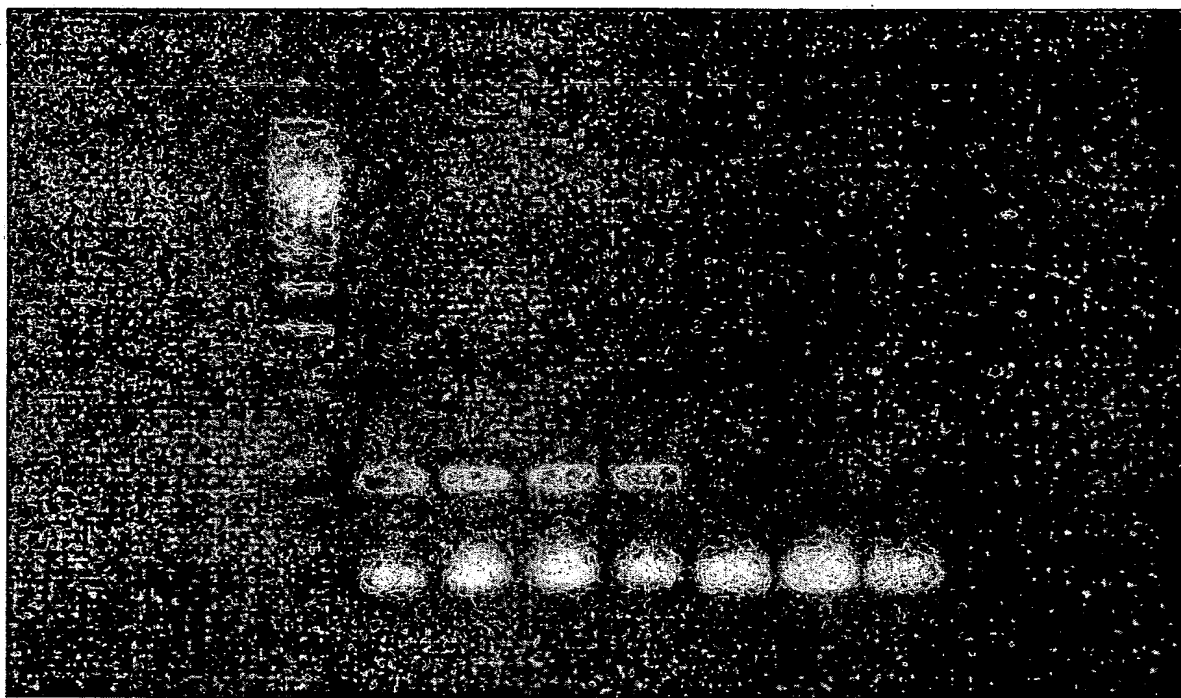
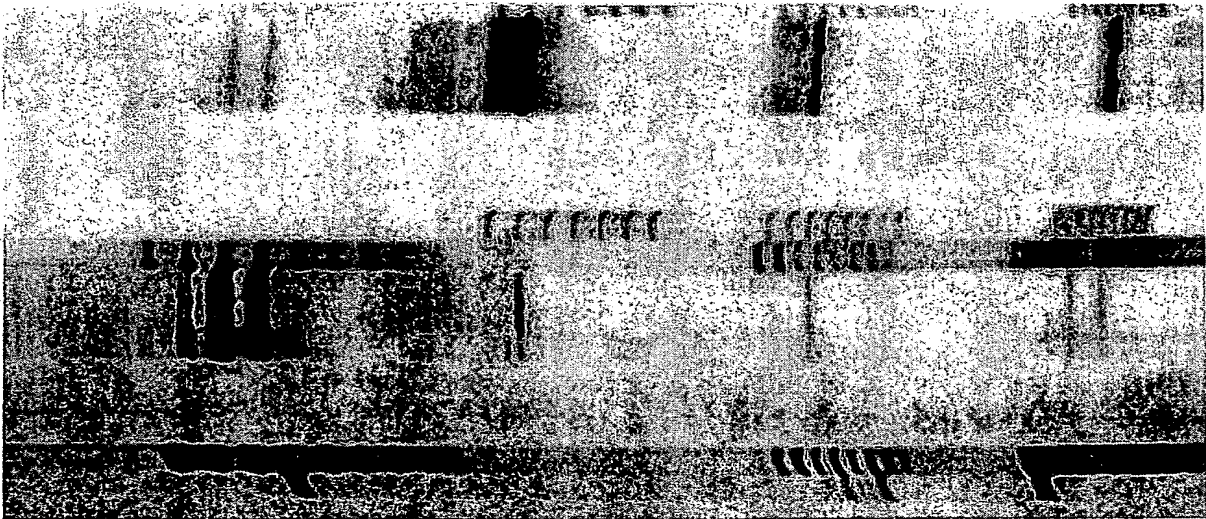


FIG. 6

REPLACEMENT SHEET

BEST AVAILABLE COPY

FIG. 7



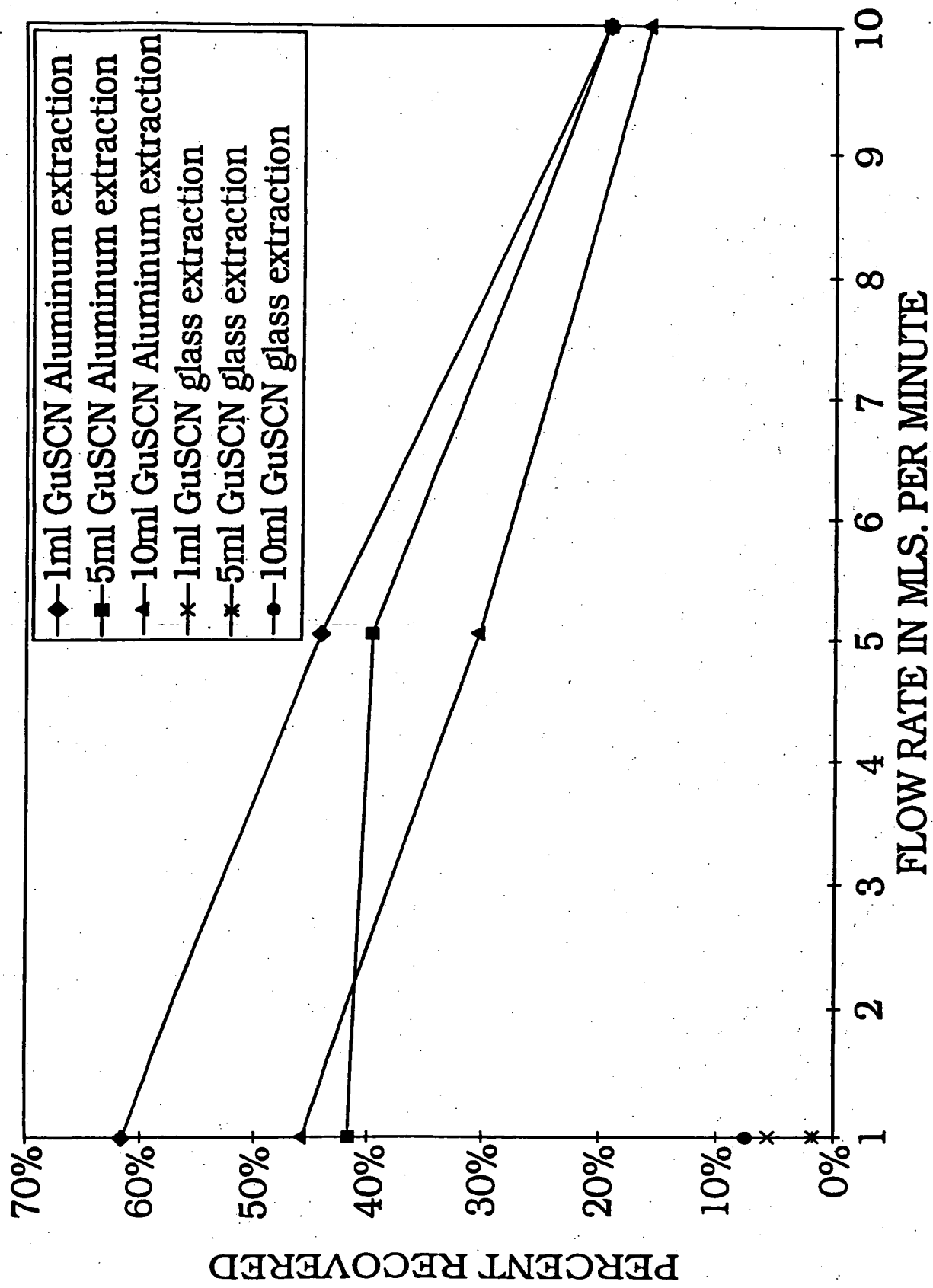
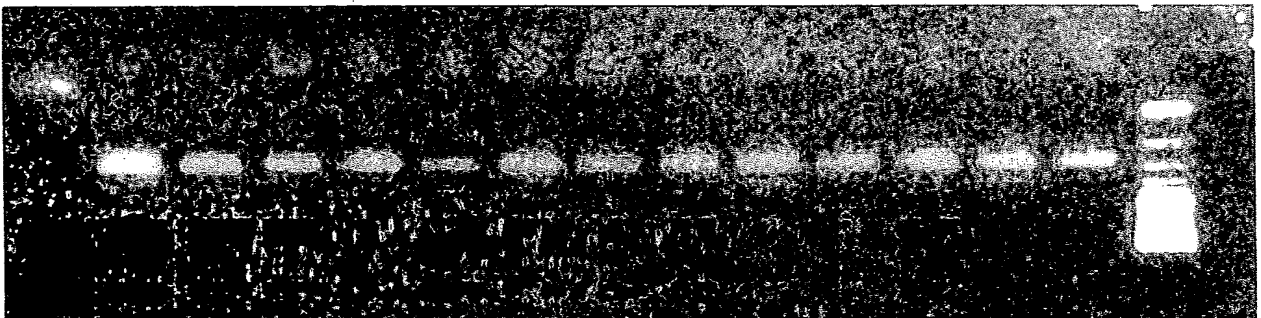


FIG. 8

FIG. 9



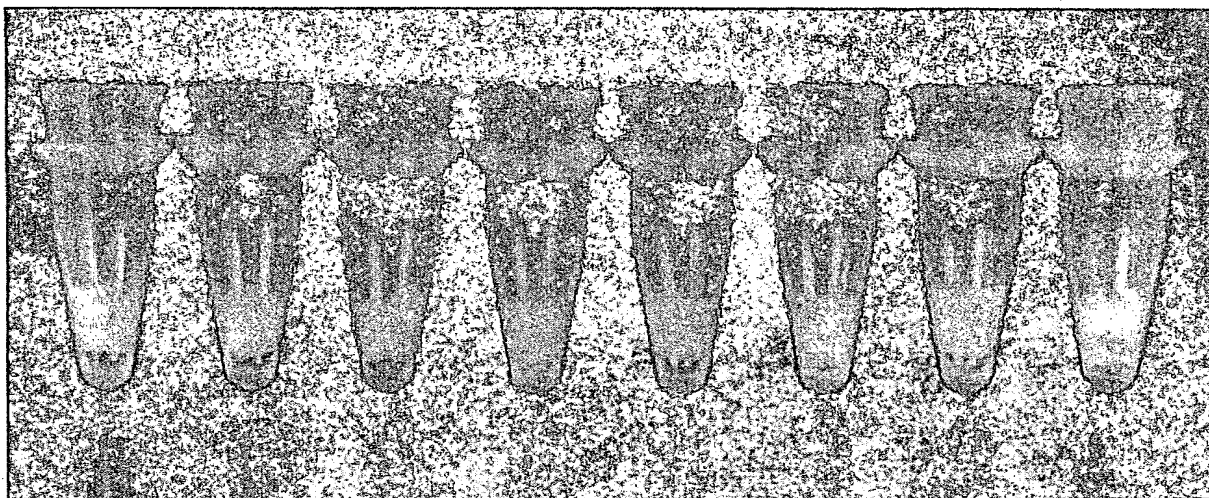


FIG. 10

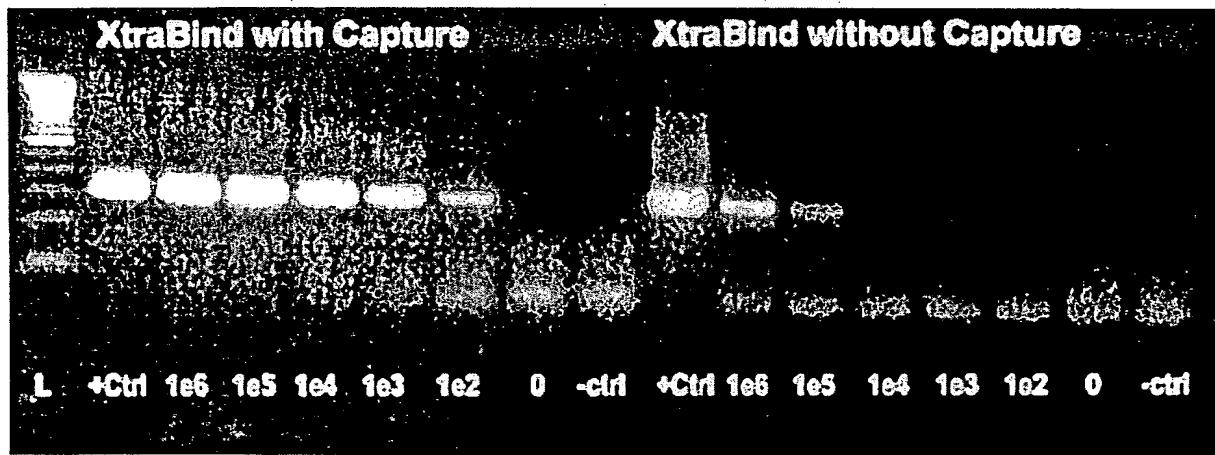


FIG. 11

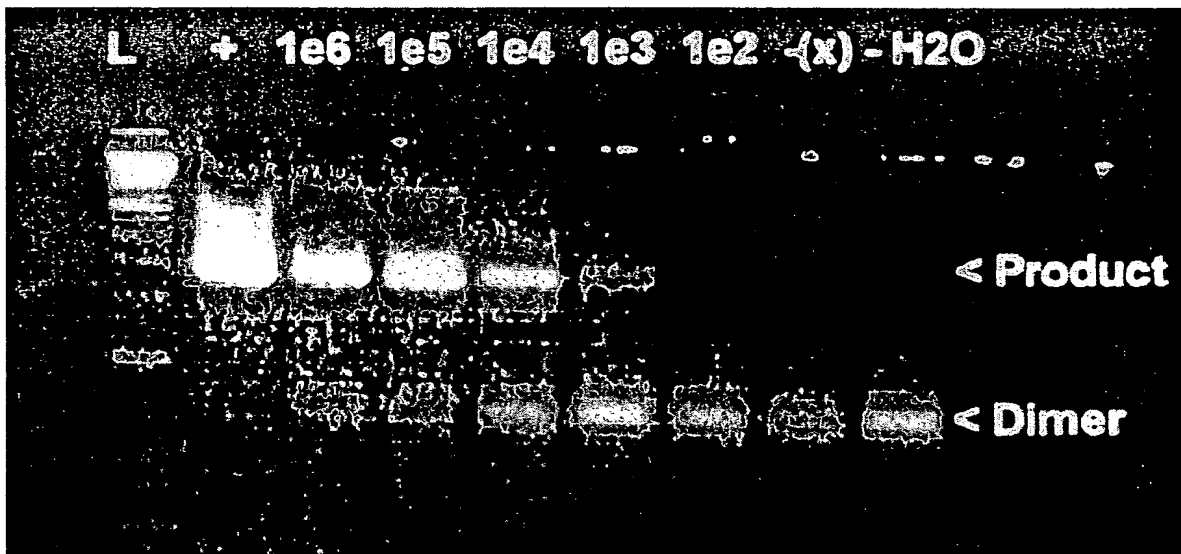


FIG. 12

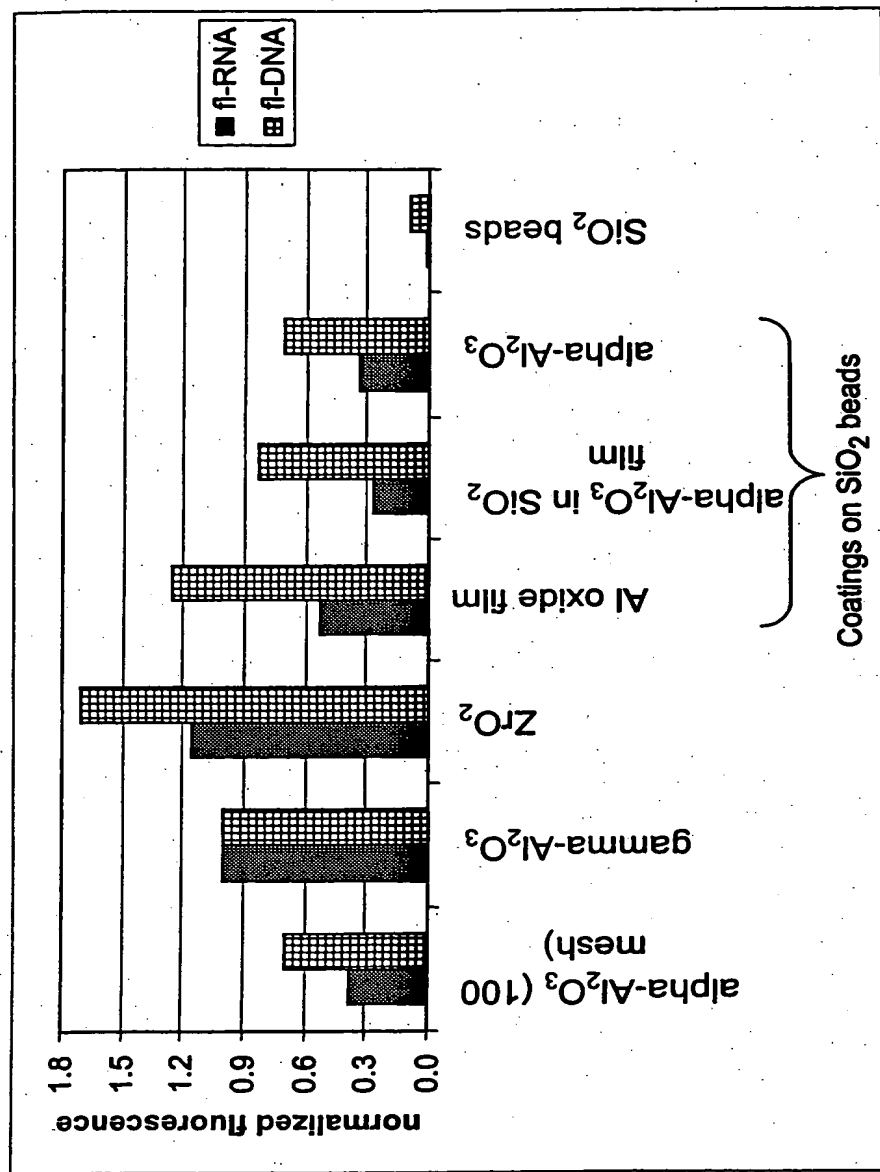


FIG. 13

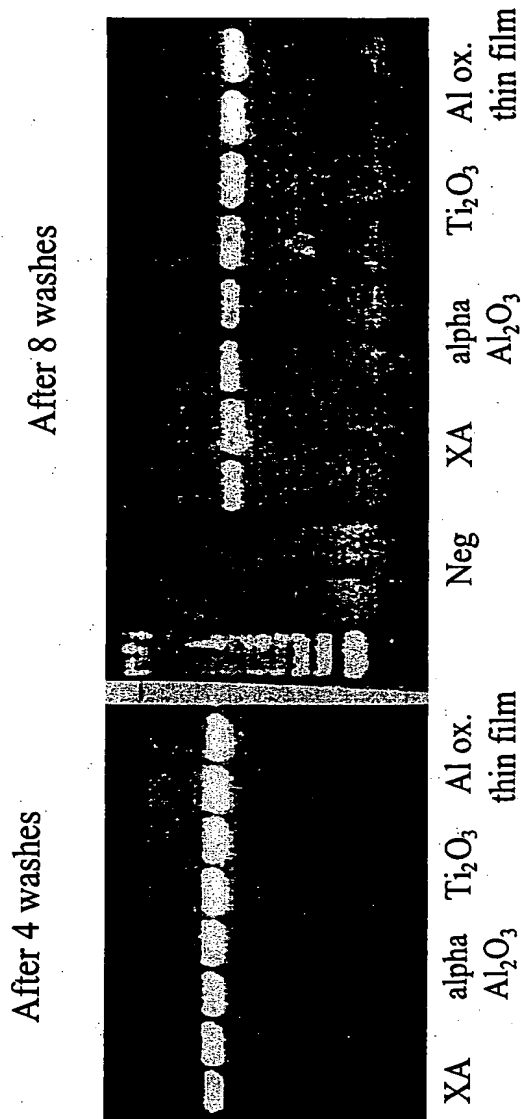


FIG. 14

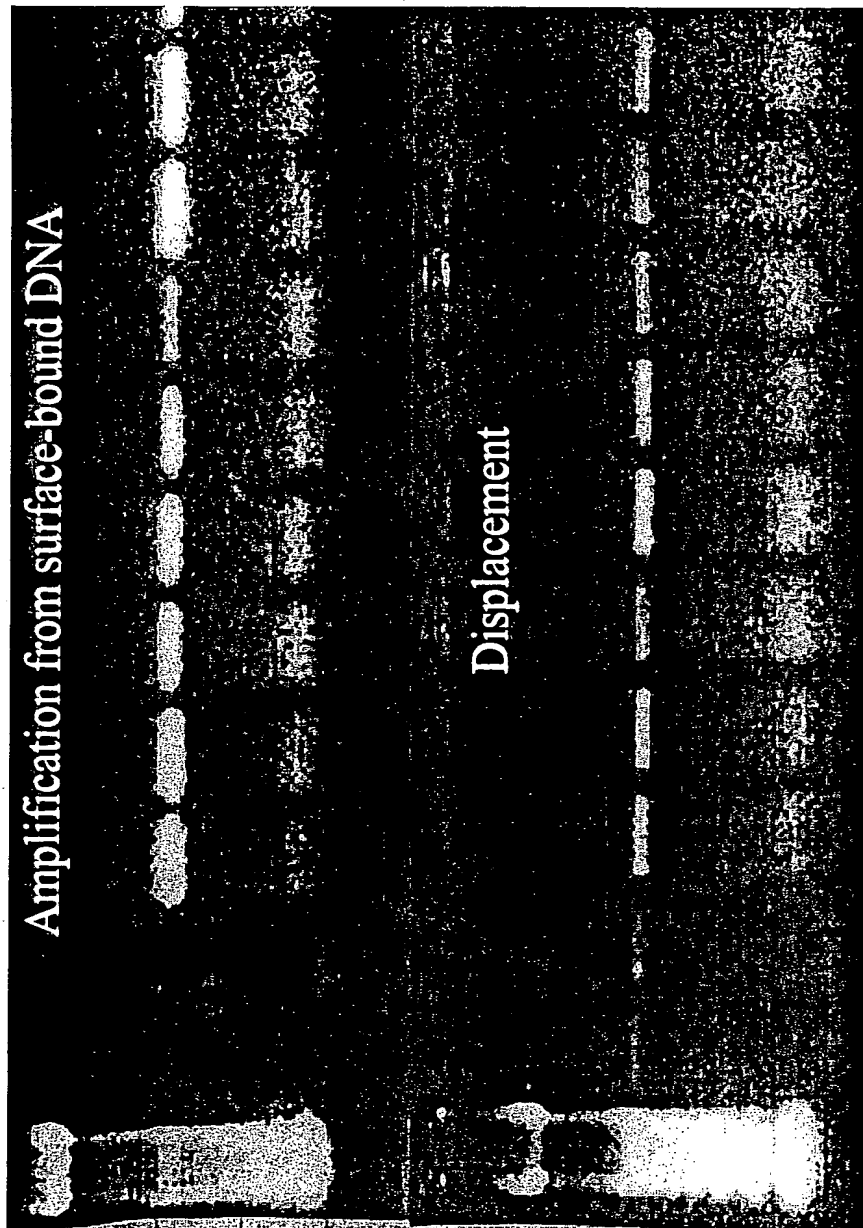


156 ng 17 ng
DNA

FIG. 15

1	XTRA AMP			1	Ti SURE	
2		10 ³	4 2			10 ³
3		1	4 3			1
4		10 ²	4 4			10 ²
5		1	4 5			1
6		10 ¹	1 6			10 ¹
7		1	0 7			1
8		2x 10 ⁰	0 8			2x 10 ⁰
9		1	0 9			1
10			10			
11			11		FILTER/Ti SURE	
12		NC-YA	4 12			10 ³
13			4 13			1
14		NC-Ti	0 14			10 ²
15			3 15			1
16		NC-F	0 16			10 ¹
17			2 17			1
18	*Note: All Signals Read at 20 minutes.		2 18			2x 10 ⁰
19			0 19			1

FIG. 16



Neg	XA	α - Al_2O_3	Ti_2O_3	Al ox. thin film
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FIG. 17

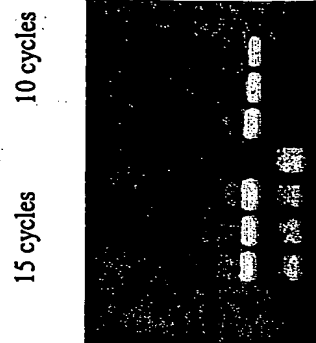


FIGURE 19

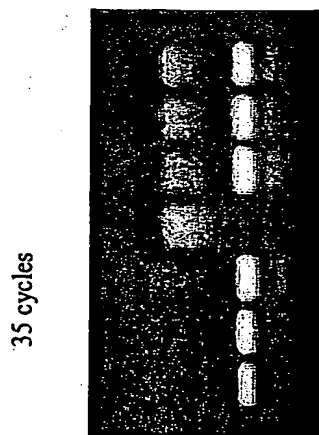


FIGURE 18

REPLACEMENT SHEET

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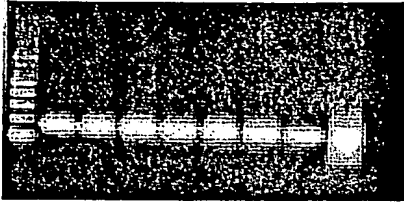


FIGURE 20

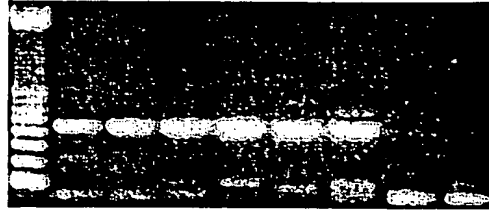


FIGURE 21

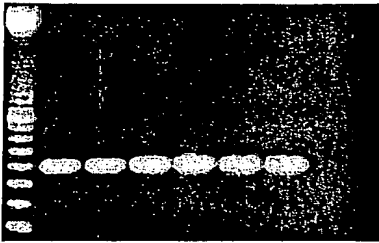


FIGURE 22

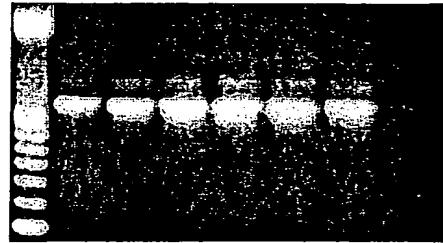


FIGURE 23

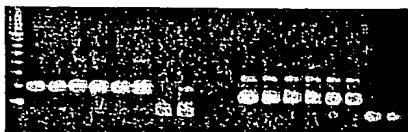


FIGURE 24



FIGURE 25

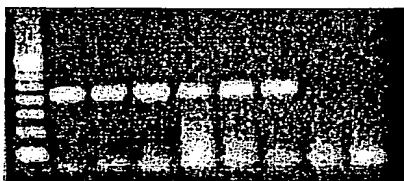


FIGURE 26